

CLAIM AMENDMENTS

1. (Original) A method of specifying the design of a welding gun having multiple dimensional parameters, the method comprising the steps of:

providing a visual representation of the type of welding gun to be designed;

providing a plurality of menus with user selectable options, one of the menus corresponding to each of the multiple dimensional specifications;

offering options in each of the menus that are available for the welding gun to be designed and not offering options that are not available;

receiving a signal from a user indicating the user's selection of an option from one of the menus;

determining if the option selected from the menu results in the availability or non-availability of options in any of the other menus;

adjusting the options available in each of the menus to offer options that are available based on the option selected in the one menu and to not offer options that are not available based on the option selected in the one menu; and

calculating performance parameters for the welding gun based on the options chosen from each of the menus.

2. (Original) The method of claim 1 wherein the visual representation includes dimensional indicators.

3. (Original) The method of claim 1 further comprising the steps of:

receiving a second signal indicating a user's selection of an option in a second one of the plurality of menus;

determining if the option selected in the second one of the menus results in the availability or non availability of options in any of the other menus;

adjusting the options available in each of the menus to offer options that are available based on the option selected in the second one menu and to not offer options that are not available based on the option selected in the second one menu; and

calculating performance parameters for the welding gun based on the options chosen from each of the menus.

4. (Original) The method of claim 1, wherein the determining of the non-availability of options results in displaying non-available options but preventing selection of the non-available options.

5. (Original) The method of claim 1, wherein the determining of the non-availability of options prevents display of non-available options.

6. (Original) The method of claim 1 further comprising the step of providing visual representations of available electrodes.

7. (Original) The method of claim 1 wherein steps are performed by a computer.

8. - 22. (Canceled)